



## TouchPrint™ Enhanced Definition 3800 Live Scan with Integrated Full Hand Scanner

Choose the system that provides

- Better data
- Maximum reliability
- Reduced variability

And get the high quality, full hand images  
you need to ID more subjects – faster!

# Capture All Critical Hand Data

Investing in a full hand system means you are committed to capturing all of the critical hand data that will help enable your organization to solve more crimes. The TouchPrint™ 3800 Full Hand Scanner from Identix® consistently delivers the highest quality images and performs in a busy, chaotic environment – don't settle for anything less.

## Powerful, New Advantages!

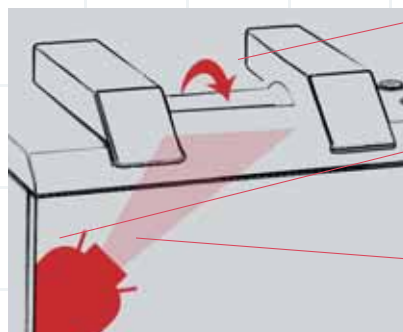
The TouchPrint™ Enhanced Definition 3800 Full Hand Scanner from Identix gives you powerful, new advantages in your pursuit of criminals

With up to 40% of latents found at the crime scenes coming from parts of the hand other than the fingerprints, the ability to capture all the fine details and minutiae of a subject's entire hand can make all the difference in solving a crime.

- Goes beyond FBI Appendix F Certification to deliver superior resolution and image detail needed for positive identification.
- Features patented optics that 'see' through moisture, highlighting important friction ridge detail and helping to prevent false minutiae.

## Designed for Maximum Reliability, Lower Cost of Ownership

The TouchPrint Enhanced Definition 3800 Full Hand Scanner utilizes a single stationary camera and features a non-coated platen surface. Our design with a fixed optics system and fewer moving parts – such as fans or a revolving camera – greatly simplifies maintenance and helps to ensure maximum uptime. Also, with no consumables, like silicon pads or coatings, image quality remains consistent and ongoing operating costs are kept low.

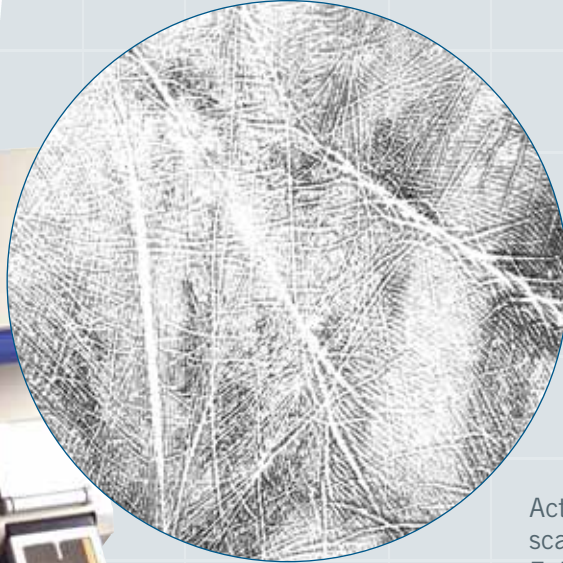
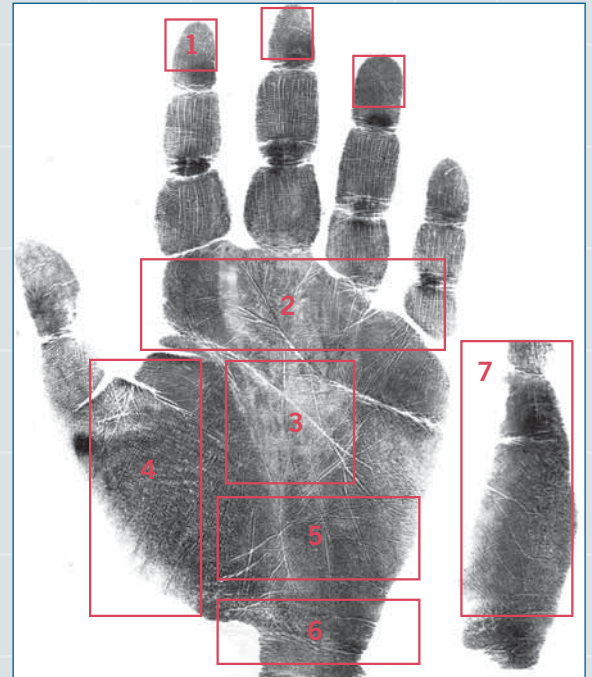


1. Cylindrical platen helps ensure contact with all the contoured regions of the hand
2. Optics system is fixed – no moving parts, no fans, no revolving camera
3. Patented optics capture maximum friction ridge detail even when hands are sweaty

## More Data for Better Crime Solving

With the TouchPrint Enhanced Definition 3800 Full Hand Scanner, the entire hand, from the fingerprint to the carpal crease is captured in a single pass at 1000 ppi resolution, providing the superior image quality that only Identix can offer.

- 1 Fingerprints
- 2 Interdigital
- 3 Cup
- 4 Thenar
- 5 Hypothenar
- 6 Carpal Crease
- 7 Writer's Palm



Actual image of the cup and thenar scanned using the TouchPrint™ Enhanced Definition 3800 Full Hand Scanner captured at 1000 ppi.

## Reduces Variability, Operator-to-Operator, Subject-to-Subject

Intuitive operation and the patented curved platen allow operators to easily capture full-hand images—from the carpal crease to the fingertips—in a quick, single step. Our hand scanner adapts an imaging concept long used in traditional inked palmprinting and recommended by the FBI; rolling the hand over a curved surface. Other scanners require specific hand positioning and excessive pressure to capture a full hand image, and may still miss the inner region of the palm or interdigital areas.

## All the Benefits of the TouchPrint Enhanced Definition Series

The Full Hand Scanner comes as a built-in component to the TouchPrint Enhanced Definition 3800 Live Scan offering a higher dimension in fingerprint image quality. With 6.2 megapixels of imaging power and new anti-smearing and anti-smudging technologies in the fingerprint optics deck, the TouchPrint Enhanced Definition 3800 Live Scan Booking Station provides the image quality that is so critical for maximum AFIS performance.

## Goes Beyond Appendix F and Standard Definition

- 500 ppi output with enhanced image detail and clarity
- Greater ability to read features and detail in fine ridge structures
- Increased accuracy of minutiae and ridge detail location
- Enhanced image sharpness and clarity
- Not hindered by sweaty fingers or moisture on the platen
- Virtually no distortion
- Minimal smudging and smearing during finger rolls
- No degradation in image quality over time

Technical	
<b>Model Number</b>	TP-3800-ED
<b>Image Quality</b>	Exceeds FBI IQS IAFIS Image Quality Specification Appendix F
<b>Optical Scanner Interface</b>	FireWire A IEEE 1394, OHCI compliant
<b>Optical Scanner Dimensions</b>	Deck W: 12.5in (32cm); H: 6.25in (16cm); D: 14in (35.5cm)
<b>Package Weight</b>	350lbs (158.8kg)
<b>Voltage/Power Requirements</b>	110-120/220-240 VAC, 50/60 Hz / 220W nominal, 350W maximum
<b>Operating Environment</b>	Ambient temp: 40° – 104° F (5° – 40° C) Rel. Humidity: 20% – 80% non-condensing
<b>Data Content</b>	Demographics (customizable), fingerprints and photo image transmission in compliance with FBI's EFTS in ANSI/NIST-CSL 1-1993 specified format
<b>Data Protocols</b>	SMTP / FTP / NFS / TCP/ IP sockets / VPN
<b>Data Communication</b>	V.42 external modem, 56kbps synchronous communication, T-1 high-speed digital communications, Ethernet LAN communications, TCP/IP/NFS/FTP protocols; interfaces for Sagem Morpho; NEC®; Printrak, a Motorola Company® and Cogent Systems, Inc., Dermalog and AFIX Tracker AFIS protocols
<b>Workstation Computer</b>	Pentium P4 2.8 GHz or greater with 256MB RAM
<b>Monitor</b>	17" LCD flat panel display
<b>Fingerprint Scanner</b>	
<b>FBI Certification</b>	TP-5700 optics deck is FBI IQS Appendix F certified and is incorporated into the TouchPrint Enhanced Definition 3800 Live Scan
<b>Active Imaging Dimensions</b>	Roll/Slap Platen 3.2in x 2.0in (81mm x 51mm)
<b>Rolled Print Size</b>	Image compliant with FBI standard at 1.6in X 1.5in (41mm x 38mm)
<b>Slap Image Size</b>	3.2in x 2.0in (81mm x 51mm)
<b>Optical Resolution</b>	Enhanced Definition 500 ppi image capture output, with square pixels
<b>Calibration Requirement</b>	Factory calibrated and sealed; automatic light-balance recalibration over time
<b>Dynamic Range</b>	Greater than 8 bit, yielding over 256 gray scale depth
<b>Moisture Discriminating Optics™</b>	Patented optics ignore moisture on the fingerprint or on the platen
<b>Dual Beam Illumination™</b>	Delivers uniform illumination across entire platen, improving geo-accuracy
<b>Clear Trace Imaging™</b>	Reduces latent images between prints
<b>Clean Image View™</b>	Provides 70% or greater signal-to-noise ratio than Appendix F requirements, resulting in better ability to read features and detail in fine ridge structures
<b>Precise Image Distribution™</b>	Results in 200% less geometric distortion than what is required to meet Appendix F minimum requirements, resulting in enhanced accuracy of minutiae and ridge detail location
<b>Fine Feature Contrast™</b>	Provides 300% higher CTF/MTF performance than Appendix F requirements, resulting in enhanced image sharpness and clarity
<b>AntiSmear™ Technology</b>	Prevents smudging and smearing during finger rolls
<b>PerfectScan™</b>	High resolution live video display of platen surface during roll and slap capture; real time image quality assurance for evaluating images and providing instant feedback
<b>AccuCapture™</b>	Slap-to-roll comparison software to ensure correct sequencing
<b>Full Hand Scanner</b>	
<b>FBI Certification</b>	TouchPrint-2700/2000 Livescan Palm/Hand Scanner Device is FBI IQS Appendix F certified and is incorporated into the TouchPrint Enhanced Definition 3800 Full Hand Scanner
<b>Active Imaging Dimensions</b>	Platen 8.0in x 5.15in (203mm x 131mm)
<b>Optical Resolution</b>	1000 ppi image capture, with square pixels
<b>Calibration Requirement</b>	Factory calibrated and sealed; automatic light-balance recalibration over time
<b>AccuCapture Plus</b>	Slap-to-roll and slap-to-hand comparison software to help ensure correct sequencing
<b>Moisture Discriminating Optics</b>	Patented optics ignore moisture on the fingerprint, hand or on the platen
<b>PerfectScan</b>	High resolution live video display of platen surface during full hand capture; real time image quality assurance for evaluating images and providing instant feedback